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respective radiotelephone subscriber station is currently located, the transmitted cell identifier being sent in addition to the location area identifier;

storing the transmitted cell [call] identifier in a subscriber database of the mobile radiotelephone network; and

5 entering the transmitted cell identifier in a list of cell identifiers comprising both the transmitted cell identifier and retained cell identifiers which were formerly transmitted cell identifiers, and sending the paging broadcast based on the list of cell identifiers, thereby retaining transmitted cell identifiers.

10 10. **(Twice amended)** A system for transmitting a radio paging broadcast to radiotelephone subscriber stations of mobile radiotelephone subscribers in location areas of a cellularly constructed mobile radiotelephone network, whereby the location areas respectively manage locations of the radiotelephone subscriber stations, and respectively consist of at least one radio cell, and are identifiable by a location area identifier, comprising:

15 the radiotelephone subscriber stations having means for transmitting messages that respectively contain, in addition to the location area identifier, a transmitted cell identifier that identifies a current radio cell in which a respective radiotelephone subscriber station is currently located; and

the mobile radiotelephone network having at least one subscriber database in which the [additionally] transmitted cell identifier is entered in a list of cell identifiers comprising both the transmitted cell identifier and retained cell identifiers which were formerly transmitted cell identifiers, and the transmitted cell identifier is retained, the radio paging broadcast being sent based on the list of cell identifiers.